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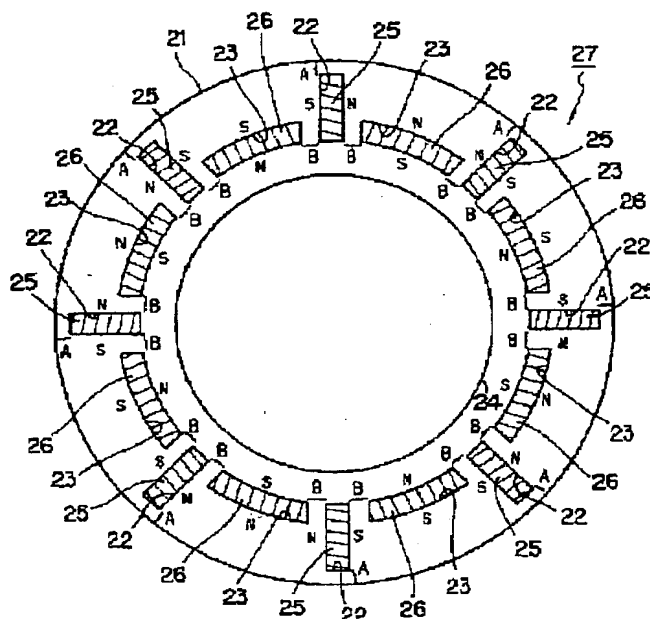
APPLICATION DATE : 30-03-95
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APPLICANT : MEIDENSHA CORP;

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TITLE : ROTOR OF PERMANENT MAGNET
TYPE ROTARY MACHINE



ABSTRACT : PURPOSE: To provide the rotor of a permanent magnet type rotary machine where centrifugal force is improved without reducing electrical characteristics.

CONSTITUTION: A groove 23 for main magnet and a groove 22 for supplementary magnet are provided by securing connection parts A and B at a core 21 and a main magnet 26 and a supplementary magnet 25 are engaged to the grooves 23 and 22. The main magnetic flux of each pole can be obtained by the main magnet 26 and the connection parts A and B can be magnetically saturated by the leakage magnetic flux of the supplementary magnet 25, thus preventing magnetic flux from leaking via the connection parts A and B. Then, since the core is connected in one piece by the connection parts A and B and has a high centrifugal force, no other reinforcing members are required, thus reducing an air gap, enhancing magnetic flux density, and preventing an effective core length from decreasing.

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